

TRAFFIC



CITY OF
CHULA VISTA

CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF237	NEW CIP NO:	24592370	INITIALLY SCHEDULED:	7/1/1999
TITLE:	Traffic Signal System Update			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Samir Nuhailey

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$200,000	\$200,000		\$0	\$0	\$0	\$0	\$0
4. Construction	\$700,000	\$700,000		\$0	\$0	\$0	\$0	\$0
5. Admin	\$50,000	\$50,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$950,000	\$950,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$760,190	\$760,190		\$0	\$0	\$0	\$0	\$0
TPF	\$189,810	\$189,810		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$950,000	\$950,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Upgrade existing fixed time traffic signal to an adaptive urban traffic control system.

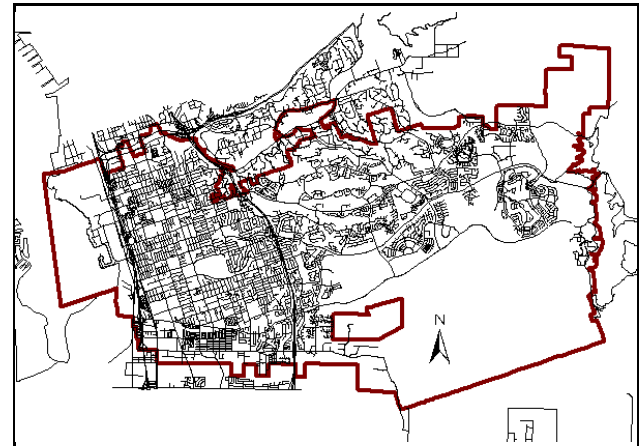
JUSTIFICATION: A federal grant is available to the City for a demonstration project to upgrade the existing traffic signal system at 10 intersections to improve travel time for motorists, thus improving air quality and the level of service.

SCHEDULING: Engineering and installation are scheduled through 2003-04.

STATUS: The City has received State approval to utilize federal funds under the Federal Intermodal Surface Transportation Efficiency Act, Congestion Mitigation Air Quality program in order to upgrade the City's traffic control system to a state-of-the-art flexible timing adaptive traffic control system. On June 19, 1999, City staff proceeded with advertising for the implementation of the adaptive system for competitive bidding, and on August 11, 1999, staff received sealed bids from two electrical contractors. The first bid was very high and the second bid was non-responsive; therefore, staff recommended the rejection of the two bids and the re-advertisement for proposals, and on March 25, 2000, staff proceeded with the advertisement of Requests For Proposals to implement the adaptive system. On May 24, 2000, City staff received proposals from three firms to develop and implement the adaptive system. The firms were Transcore, Bi Tran Systems, Inc. and P.B. Farradyne. Council approved an agreement with Transcore at its May 29, 2001 meeting. \$830,506.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Minimal

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF263	NEW CIP NO:	24522630	INITIALLY SCHEDULED:	7/1/2002
TITLE:	Traffic Signal Interconnect			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Eastern City			PROJECT MANAGER:	Samir Nuhaily

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$13,000	\$13,000		\$0	\$0	\$0	\$0	\$0
4. Construction	\$150,000	\$150,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$163,000	\$163,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$163,000	\$163,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$163,000	\$163,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Install interconnect cable in existing conduit along portions of East H Street, Otay Lakes Road, Otay Valley Road and Paseo Ranchero Drive. Install interconnect conduit and cable along Bonita Road between Willow Street and Otay Lakes Road.

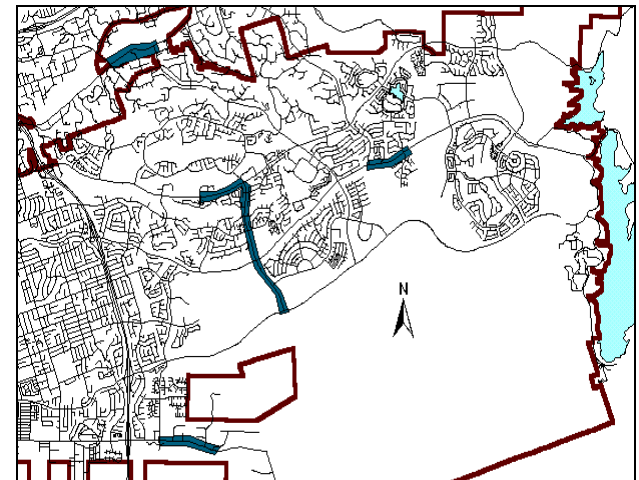
JUSTIFICATION: This project will complete the interconnect conduit of several major intersections, thus improving timing.

SCHEDULING: Design and construction in FY 03/04.

STATUS: \$7,947.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF264	NEW CIP NO:	24562640	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Traffic Signal Safety Upgrade (4 locations)			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$40,000	\$0		\$0	\$0	\$40,000	\$0	\$0
4. Construction	\$520,000	\$0		\$0	\$0	\$520,000	\$0	\$0
TOTALS	\$560,000	\$0		\$0	\$0	\$560,000	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$560,000	\$0		\$0	\$0	\$560,000	\$0	\$0
TOTALS:	\$560,000	\$0		\$0	\$0	\$560,000	\$0	\$0

DESCRIPTION: Upgrade of existing traffic signals to provide for 12" signal indications, removal and replacement of existing signal standards, ADA pedestrian push buttons, internally illuminated street name signs, emergency vehicle pre-emption omitters, and traffic signal detector loops, or video detectors. Locations: 1) Allen School and Otay Lakes Road; 2) Broadway and 'D' Street; 3) Fifth Avenue & 'L' Street; and 4) Third Avenue and Moss Street.

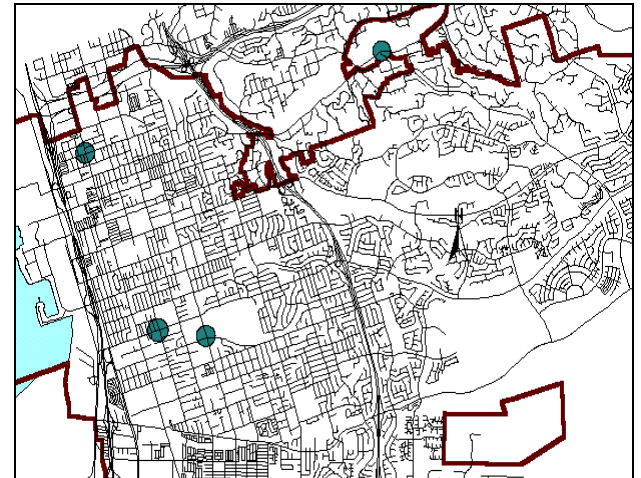
JUSTIFICATION: Signal safety upgrade is needed to comply with State, Federal and City standards. In addition, installation of the detection loops will serve to change fixed timing signals to actuated timing signals, thus enhancing signal operation, promoting reduced traffic delays and improving air quality.

SCHEDULING: Design and construction in FY 2005-06. Hazard Elimination Safety (HES) grant funds will be sought for this project.

STATUS:

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF271	NEW CIP NO:	24592710	INITIALLY SCHEDULED:	7/1/1999
TITLE:	"H" Street Re-striping between Third Avenue and Hilltop Drive			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Central Chula Vista			PROJECT MANAGER:	Samir Nuhailey

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$6,500	\$6,500		\$0	\$0	\$0	\$0	\$0
4. Construction	\$0	\$0		\$0	\$0	\$0	\$0	\$0
TOTALS	\$6,500	\$6,500		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
GASTAX	\$6,500	\$6,500		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$6,500	\$6,500		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Installation of a center two-way left turn lane by sandblasting existing striping and restriping on "H" Street.

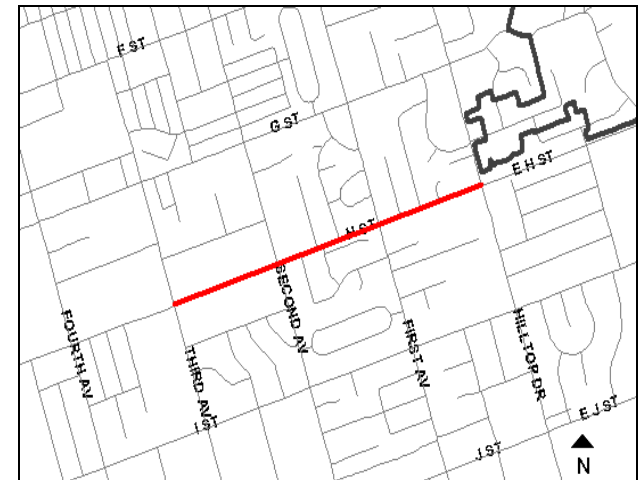
JUSTIFICATION: This re-striping will provide motorists with a safer refuge when attempting to make left turn movements into private property along "H" Street.

SCHEDULING:

STATUS: Project will be combined with installation of protected permissive left turn signals at 1st and H Street and 2nd and H Streets, CIP Project TFNEW25. \$58,019.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Minimal.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF272	NEW CIP NO:	24592720	INITIALLY SCHEDULED:	7/1/1999
TITLE:	Purchase 170E Traffic Signal Controllers	DEPARTMENT:	Traffic Engineering	PROJECT MANAGER:	Samir Nuhailey
COMMUNITY PLAN AREA:	Citywide				

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$0	\$0		\$0	\$0	\$0	\$0	\$0
4. Construction	\$0	\$0		\$0	\$0	\$0	\$0	\$0
5. Equipment	\$88,000	\$88,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$88,000	\$88,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
TRAFFIC SIGNAL FUND	\$88,000	\$88,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$88,000	\$88,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Purchase 170E traffic signal controllers.

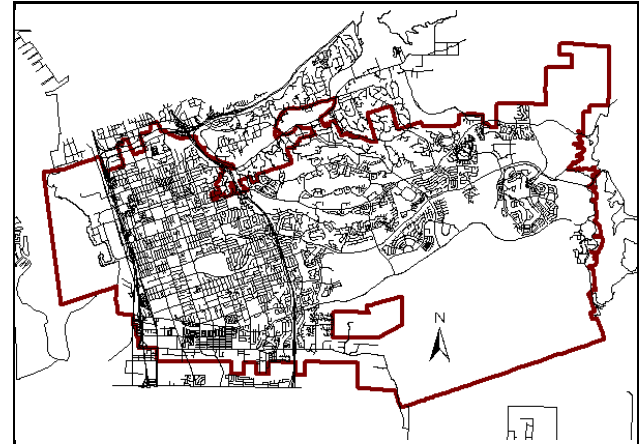
JUSTIFICATION: Current 170E controller CPU's are being phased out by the manufacturer. The additional controllers will be used to replace existing aging controllers as needed and/or be installed for new projects until the new traffic signal control system is in place to accept the future 2070 controllers.

SCHEDULING:

STATUS: Controllers will be purchased as necessary. \$56,064.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Minimal.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF274	NEW CIP NO:	24522740	INITIALLY SCHEDULED:	7/1/2002
TITLE:	Traffic Count Stations			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Eastern Territories			PROJECT MANAGER:	Samir Nuhaily

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$13,000	\$13,000		\$0	\$0	\$0	\$0	\$0
4. Construction	\$147,000	\$147,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$160,000	\$160,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
TDIF	\$160,000	\$160,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$160,000	\$160,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Installation of permanent traffic count stations, which includes software and hardware, to monitor the traffic volumes/capacity of the major streets within the City on a continuous basis.

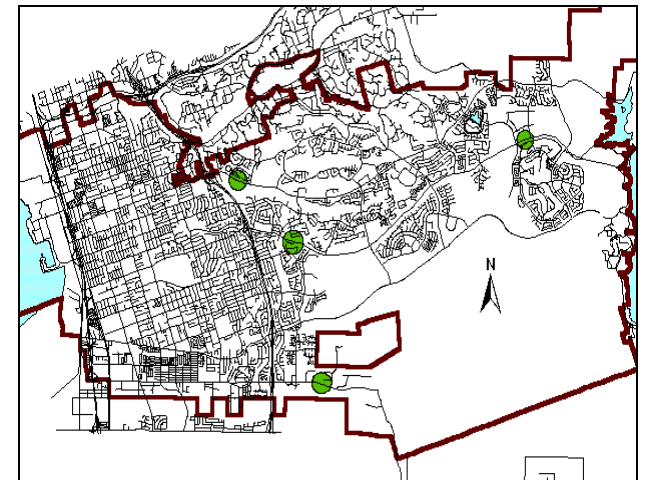
JUSTIFICATION: Count stations are needed to assist in accurately forecasting levels of service based on existing and added developments. The locations are: 1) Otay Lakes Road west of shopping center (Eastlake Parkway); 2) East 'H' Street east of Hidden Vista Drive; 3) Telegraph Canyon Road east of Paseo del Rey; 4) Otay Valley Road west of Maxwell Drive.

SCHEDULING: Stations to be purchased and installed in 2003/2004.

STATUS: \$2,567.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

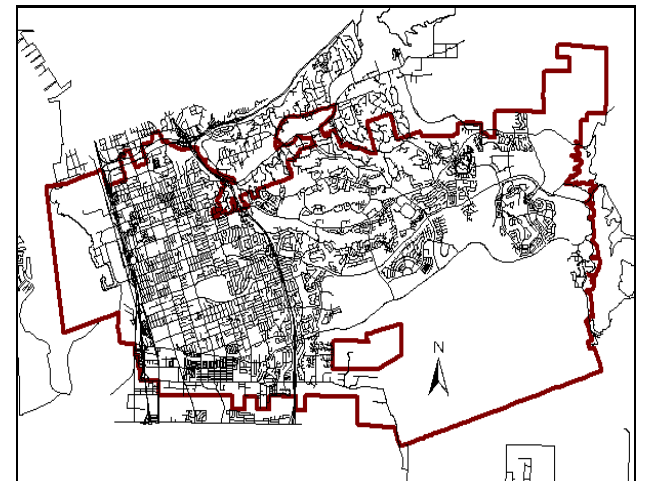
CIP NO:	TF279	NEW CIP NO:	24592790	INITIALLY SCHEDULED:	7/1/1999
TITLE:	Installation of Internally Illuminated Street Name Signs			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$16,000	\$10,000		\$3,000	\$3,000	\$0	\$0	\$0
4. Construction	\$294,000	\$196,000		\$49,000	\$49,000	\$0	\$0	\$0
TOTALS	\$310,000	\$206,000		\$52,000	\$52,000	\$0	\$0	\$0

FINANCING SOURCES:								
Gas Tax	\$100,500	\$73,500		\$0	\$27,000	\$0	\$0	\$0
RCT	\$79,000	\$27,000		\$52,000	\$0	\$0	\$0	\$0
SIGNAL	\$130,500	\$105,500		\$0	\$25,000	\$0	\$0	\$0
TOTALS:	\$310,000	\$206,000		\$52,000	\$52,000	\$0	\$0	\$0

- DESCRIPTION:** Install new internally illuminated street name signs at existing non-illuminated street sign sections at various major street intersections throughout the City. At some of the intersections, the poles may need to be replaced due to the added weight, at additional cost.
- JUSTIFICATION:** To provide motorists with enhanced visibility of signal mounted street name signs during the evening and early morning hours.
- SCHEDULING:** This project is proposed to be phased in over five years. Roughly ten intersections per year will be done. Third phase of this project is proposed in FY 04/05.
- STATUS:** \$85,110.00 has been expended on this project through June 30, 2003.
- BUDGET EFFECT:** Additional electrical costs of \$2,120 per year. At the end of the five year program, cost will be \$10,000/ year.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF281	NEW CIP NO:	24512810	INITIALLY SCHEDULED:	7/1/2000
TITLE:	Traffic Modeling and Allocation Program			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Eastern Territories			PROJECT MANAGER:	Alex Al-Agha

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$115,000	\$115,000		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$0	\$0		\$0	\$0	\$0	\$0	\$0
4. Construction	\$0	\$0		\$0	\$0	\$0	\$0	\$0
TOTALS	\$115,000	\$115,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
TransDIF	\$115,000	\$115,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$115,000	\$115,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Establish an allocation system for building permits based on available traffic capacity and other criteria, by identifying actual capacity limitations of the existing arterial roadway system serving the Eastern Territories, and then equating the available capacity to an equivalent number of dwelling units.

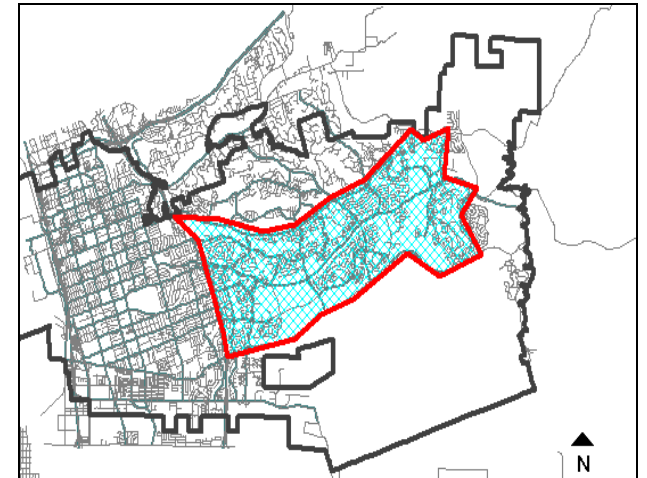
JUSTIFICATION: Program is needed to ensure that traffic thresholds established in the growth management program are being maintained.

SCHEDULING: Program will continue through 2003-04.

STATUS: \$36,443.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF285	NEW CIP NO:	24512850	INITIALLY SCHEDULED:	10/1/2000
TITLE:	Street Light Installation Along 4th Avenue Between "H" Street and "L" Street			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Central			PROJECT MANAGER:	Samir Nuhaily

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$2,500	\$2,500		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$3,500	\$3,500		\$0	\$0	\$0	\$0	\$0
4. Construction	\$192,000	\$192,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$198,000	\$198,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
GASTAX	\$198,000	\$198,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$198,000	\$198,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Street light installation in conjunction with SDG&E's undergrounding. Establish uniform street lighting pattern along Fourth avenue between "H" Street and "L" Street by removing nine pole-mounted street lights, and installing twenty-five 250-watt concrete street lights.

JUSTIFICATION: As a result of undergrounding of overhead utilites, all pole mounted street lights will be removed and replaced with concrete standard street lights. This will also include adding more street lights at mid-blocks and street intersections to meet City standards

SCHEDULING:

STATUS: Preliminary engineering is completed. SDG&E is proceeding with the undergrounding program. Construction should complete in FY 03/04. \$72,015.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Additional energy and maintenance costs will be required.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF286	NEW CIP NO:	24542860	INITIALLY SCHEDULED:	10/1/2000
TITLE:	Street Light Installation Along Otay Lakes Road Between Bonita Road and 575 Otay Lakes Road			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Eastern City			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$5,000	\$0		\$5,000	\$0	\$0	\$0	\$0
4. Construction	\$325,000	\$0		\$325,000	\$0	\$0	\$0	\$0
TOTALS	\$330,000	\$0		\$330,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
RCT	\$330,000	\$0		\$330,000	\$0	\$0	\$0	\$0
TOTALS:	\$330,000	\$0		\$330,000	\$0	\$0	\$0	\$0

DESCRIPTION: Street light installation in conjunction with SDG&E's undergrounding of their overhead facilities. Establish a uniform street lighting pattern along Otay Lakes Road between Bonita Road and 575 Otay Lakes Road by adding new concrete street light standards and relocating existing street light concrete standards. All street lights shall be 250-watt HPSV.

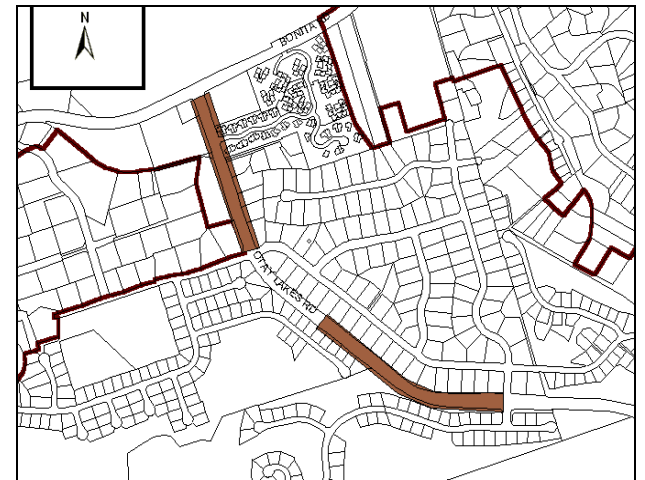
JUSTIFICATION: In conjunction with SDG&E undergrounding of overhead utilities, the City is adding street lights at midblock and relocating existing concrete standards to meet City lighting standards.

SCHEDULING: Design and construction is scheduled for FY 03/04.

STATUS:

BUDGET EFFECT: Additional energy and maintenance costs will be required.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF290	NEW CIP NO:	24512900	INITIALLY SCHEDULED:	7/1/2000
TITLE:	Central Control and Traffic Communication Links			DEPARTMENT:	Public Works/Traffic Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Samir Nuhailey

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$50,000	\$50,000		\$0	\$0	\$0	\$0	\$0
4. Construction	\$370,000	\$370,000		\$0	\$0	\$0	\$0	\$0
5. Proj Mgmt	\$50,000	\$50,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$470,000	\$470,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
CMAQ Grant	\$470,000	\$470,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$470,000	\$470,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Provide "hardwire" interconnect to three traffic signal groups within the following roadway segments: 1) "F" Street from Broadway to Fourth Ave; 2) Fourth Avenue from "F" Street to "H" Street; 3) "H" Street from Fourth Ave to Hidden Vista Drive.

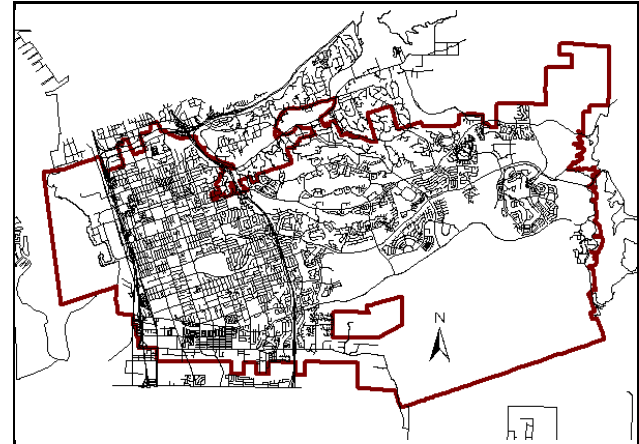
JUSTIFICATION: The proposed project will link 12 City traffic signals and two CalTrans signals to the City's Traffic Management Center (TMC), which in turn will be linked to the multi-jurisdictional South Bay Interconnect project. This will serve to enhance the coordination among the various signal groups and will ultimately enhance the quality of life for the motoring public. This will also allow for additional maintenance management and monitoring control of the City's signals.

SCHEDULING: Design and construction are scheduled in FY 2003/04.

STATUS: CMAQ grant was approved, but the funding has not been allocated for this project by the Department of Transportation. \$46,850.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Minimal.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF293	NEW CIP NO:	24512930	INITIALLY SCHEDULED:	7/1/2001
TITLE:	Purchase of Uninterruptible Power Systems (UPS) for Traffic Signals			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$0	\$0		\$0	\$0	\$0	\$0	\$0
4. Construction	\$0	\$0		\$0	\$0	\$0	\$0	\$0
5. equipment	\$458,000	\$458,000		\$0	\$0	\$0	\$0	\$0
6. project management	\$42,000	\$42,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$500,000	\$500,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$500,000	\$500,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$500,000	\$500,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Purchase and installation of ten Uninterruptible Power Systems (UPS) for existing traffic signals at 55 intersections. The "UPS" keep key intersections alive during power failures for up to eight hours, thereby maintaining traffic flows and reducing vehicular collisions. The "UPS" also provide clean, regulated power for controllers and other sensitive equipment inside traffic signal cabinets, thereby reducing premature traffic signal equipment failure and enhancing their performance.

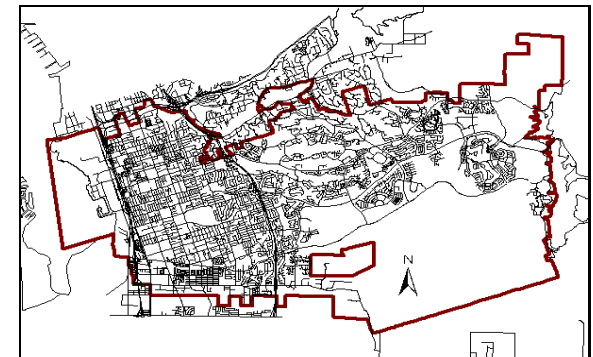
JUSTIFICATION: The San Diego region has recently experienced rolling blackouts from energy providers, and more blackouts are expected this summer. In order to provide for the safety and welfare of the traveling public, the City of Chula Vista proposes to install back-up battery power supply and Light Emitting Diode (LED) traffic signal indications for vehicular and pedestrian traffic at certain critical intersections.

SCHEDULING: Uninterruptable Power Systems will be purchased as necessary.

STATUS: Council approved project and appropriation at its May 29, 2001 meeting. \$246,479.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Minimal.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF294	NEW CIP NO:	24542940	INITIALLY SCHEDULED:	1/1/2004
TITLE:	Traffic Signal Installation at East 'J' Street and Paseo Del Rey			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Central Chula Vista			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$20,000	\$0		\$20,000	\$0	\$0	\$0	\$0
4. Construction	\$170,000	\$0		\$170,000	\$0	\$0	\$0	\$0
TOTALS	\$190,000	\$0		\$190,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$190,000	\$0		\$190,000	\$0	\$0	\$0	\$0
TOTALS:	\$190,000	\$0		\$190,000	\$0	\$0	\$0	\$0

DESCRIPTION: Installation of a fully actuated traffic signal system.

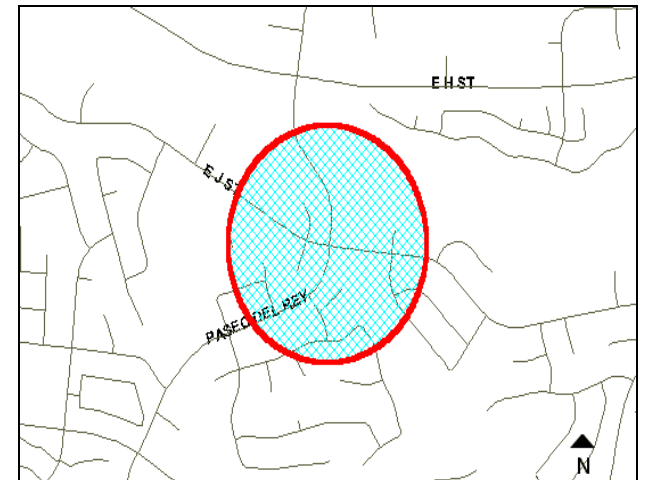
JUSTIFICATION: Intersection is at close proximity to a church and a childcare facility. This intersection is ranked No. 7 on the 2002/2003 Traffic Signal Priority List, which consists of 16 intersections.

SCHEDULING: Design and construction will be completed in FY 03/04.

STATUS:

BUDGET EFFECT: Annual maintenance and operation cost is \$4,500 per year.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF295	NEW CIP NO:	24522950	INITIALLY SCHEDULED:	10/1/2001
TITLE:	Traffic Signal Detection Replacement Program			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$16,000	\$16,000		\$0	\$0	\$0	\$0	\$0
4. Construction	\$102,000	\$102,000		\$0	\$0	\$0	\$0	\$0
5. project management	\$7,000	\$7,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$125,000	\$125,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
GASTAX	\$57,500	\$57,500		\$0	\$0	\$0	\$0	\$0
SIGNAL	\$67,500	\$67,500		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$125,000	\$125,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Replace existing traffic signal loops that are defective due to normal wear, either with loops or video detection cameras.

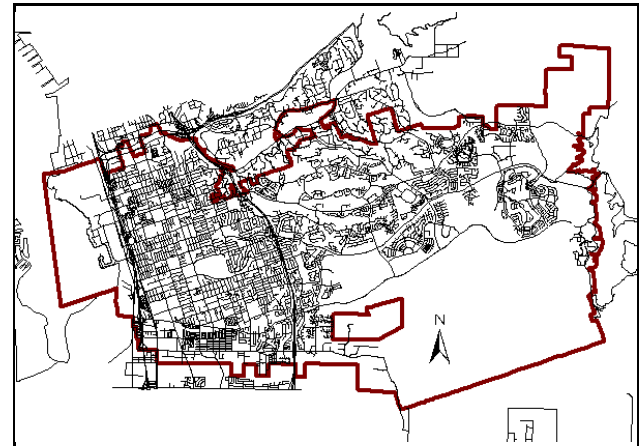
JUSTIFICATION: Replacement of defective traffic signal loops are needed for vehicle detection so the actuated traffic signals can work more efficiently.

SCHEDULING: Phase I and Phase II for design and installation will be completed in FY 2003/04.

STATUS: \$295.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF298	NEW CIP NO:	24532980	INITIALLY SCHEDULED:	1/1/2003
TITLE:	2003 Traffic Monitoring Program			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$3,000	\$3,000		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$82,000	\$82,000		\$0	\$0	\$0	\$0	\$0
4. Construction	\$0	\$0		\$0	\$0	\$0	\$0	\$0
TOTALS	\$85,000	\$85,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
DIFTRANS	\$85,000	\$85,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$85,000	\$85,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: This project will provide travel time studies on critical segments of the street system to determine whether or not they comply with threshold standards.

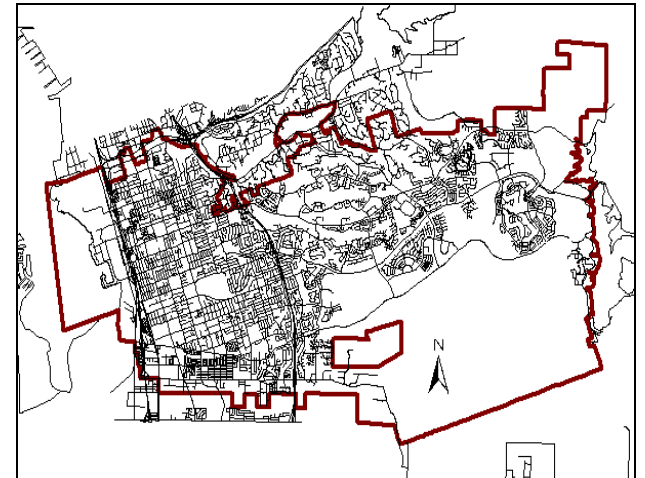
JUSTIFICATION: In order to comply with the Growth Management Ordinance, an annual report regarding traffic operation must be submitted to the Growth Management Oversight Commission (GMOC).

SCHEDULING: Study will be completed in November 2003 for presentation to the GMOC and City Council in early 2004.

STATUS: \$44,568.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF300	NEW CIP NO:	24563000	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Traffic Signal Installation at the Intersection of Hilltop Drive and Oxford Street			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Central			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$20,000	\$0		\$0	\$0	\$20,000	\$0	\$0
4. Construction	\$198,000	\$0		\$0	\$0	\$198,000	\$0	\$0
5. project management	\$10,000	\$0		\$0	\$0	\$10,000	\$0	\$0
TOTALS	\$228,000	\$0		\$0	\$0	\$228,000	\$0	\$0

FINANCING SOURCES:								
GASTAX	\$0	\$0		\$0	\$0	\$0	\$0	\$0
SIGNAL	\$228,000	\$0		\$0	\$0	\$228,000	\$0	\$0
TOTALS:	\$228,000	\$0		\$0	\$0	\$228,000	\$0	\$0

DESCRIPTION: Installation of an 8-phase fully actuated traffic signal system, removal of x-gutter and installation of a storm drain system at the intersection of Hilltop Drive and Oxford Street.

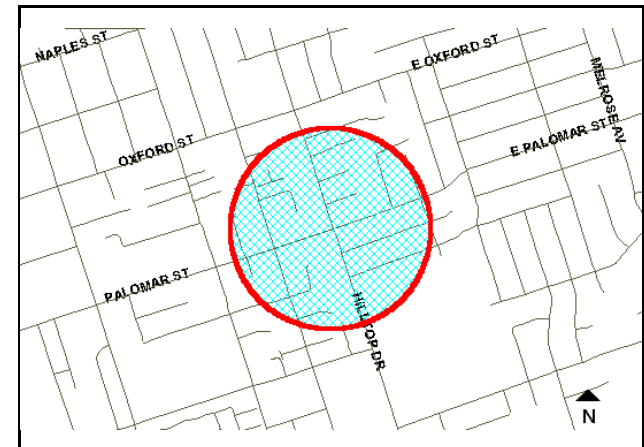
JUSTIFICATION: The intersection ranks #9 on the 2001 Traffic Signal Priority List, which consists of 16 intersections. This intersection is adjacent to Castle Park Elementary School. The urgency to provide a safer crossing for school-age children prompts the need to install the traffic signal at that location.

SCHEDULING: Design and construction will be completed in FY 2005/06.
 * Note: City staff is pursuing Hazard Elimination Safety (HES) grants for this project from the Department of Transportation (CalTrans).

STATUS:

BUDGET EFFECT: Annual operating and maintenance costs are approximately \$4,500.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

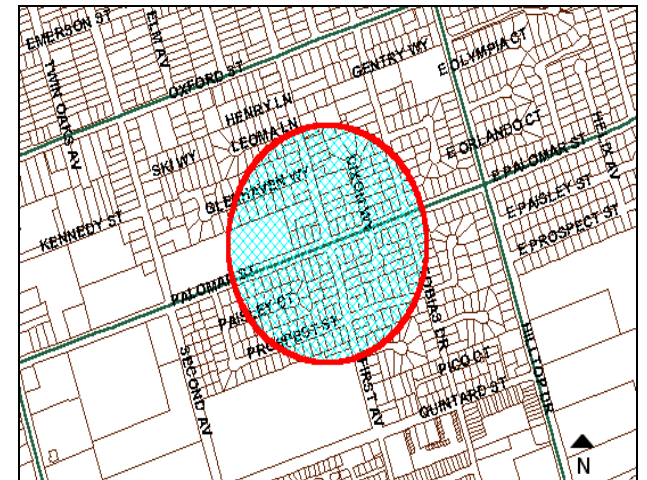
CIP NO:	TF302	NEW CIP NO:	24543020	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Traffic Signal Installation at the Intersection of Palomar Street and First Avenue			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Central			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$15,000	\$0		\$15,000	\$0	\$0	\$0	\$0
4. Construction	\$145,000	\$0		\$145,000	\$0	\$0	\$0	\$0
TOTALS	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0
TOTALS:	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0

- DESCRIPTION:** Installation of an 8-phase fully actuated traffic signal system.
- JUSTIFICATION:** This intersection ranks #10 on the 2001 Traffic Signal Priority List, which consists of 16 intersections.
- SCHEDULING:** Design and construction/installation will be completed in FY 2003-04.
- STATUS:**
- BUDGET EFFECT:** Annual operating and maintenace costs are \$4,500.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF305	NEW CIP NO:	24533050	INITIALLY SCHEDULED:	7/1/2002
TITLE:	Traffic Signal Modifications - Various Locations			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Eastern & Central Chula Vista			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$17,800	\$17,800		\$0	\$0	\$0	\$0	\$0
4. Construction	\$112,200	\$112,200		\$0	\$0	\$0	\$0	\$0
5. project management	\$0	\$0		\$0	\$0	\$0	\$0	\$0
TOTALS	\$130,000	\$130,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$130,000	\$130,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$130,000	\$130,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Traffic signal modifications at 4 locations; 1) Otay Lakes Road and Allen School Lane/Camino Elevado, 2) Otay Lakes Road and Camino Cerro Grande/Surrey Drive, 3) Otay Lakes Road and Avenida Del Rey/Ridgeview Way, 4) Fourth Avenue and Orange Avenue.
The work will include the replacement of permissive only phasing with either protective or protective/permissive phasing at the subject intersections.

JUSTIFICATION: These modifications will allow major street motorists to turn left onto side street safely during the protective or protective/permissive phase, thereby reducing intersection traffic collisions, minimizing delays and promoting improved air quality.

SCHEDULING: Design and construction/installation to be completed in FY 2003/2004.

STATUS: \$10,961.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Minimal.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

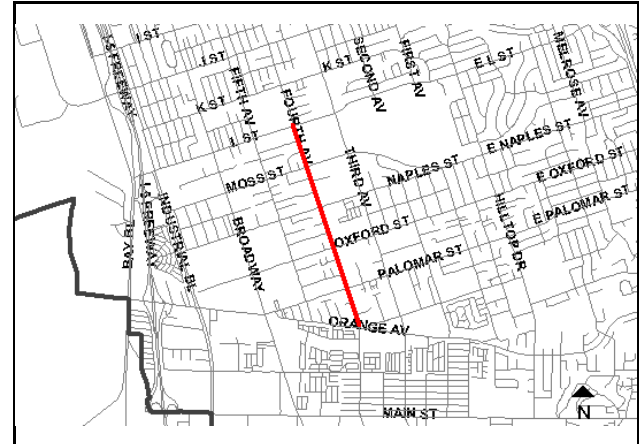
CIP NO:	TF307	NEW CIP NO:	24533070	INITIALLY SCHEDULED:	7/1/2002
TITLE:	Street Light Installation on Fourth Ave. From L St. to Orange Ave.			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Central			PROJECT MANAGER:	Jeff Moneda

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$36,220	\$36,220		\$0	\$0	\$0	\$0	\$0
4. Construction	\$181,100	\$0		\$0	\$181,100	\$0	\$0	\$0
5. contingencies	\$27,166	\$0		\$0	\$27,166	\$0	\$0	\$0
TOTALS	\$244,486	\$36,220		\$0	\$208,266	\$0	\$0	\$0

FINANCING SOURCES:								
RCT	\$244,486	\$36,220		\$0	\$208,266	\$0	\$0	\$0
TOTALS:	\$244,486	\$36,220		\$0	\$208,266	\$0	\$0	\$0

- DESCRIPTION:** Street light installation to be conducted with SDG&E's undergrounding of overhead utilities. The project will establish uniform streetlighting along Fourth Avenue between L Street and Orange Avenue by removing pole-mounted street lights, and installing 250-watt concrete street lights.
- JUSTIFICATION:** As a result of the undergrounding of overhead utilities, all pole-mounted street lights will be removed and replaced with concrete standard street lights. This will also include adding more street lights at mid-blocks and street intersections to meet current City standards.
- SCHEDULING:** Design will begin in FY 04/05 and coordinated with the undergrounding program.
- STATUS:** The undergrounding of overhead utilities is anticipated to begin in FY 03/04 with this project being constructed in FY 04/05. \$208,265.00 has been expended on this project through June 30, 2003.
- BUDGET EFFECT:** Additional energy and maintenance costs of approximately \$3,000 per year/per block.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF308	NEW CIP NO:	24543080	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Traffic Signal Installation at Clubhouse Drive and South Greensview Drive			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Central Chula Vista			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$15,000	\$0		\$15,000	\$0	\$0	\$0	\$0
4. Construction	\$145,000	\$0		\$145,000	\$0	\$0	\$0	\$0
TOTALS	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0
TOTALS:	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0

DESCRIPTION: Installation of a fully actuated traffic signal system.

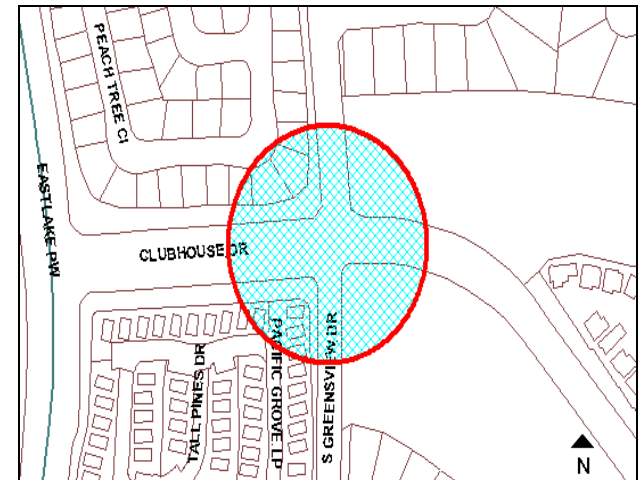
JUSTIFICATION: Intersection is at close proximity to the Eastlake Golf Course and Olympic View Elementary School. This intersection is ranked No. 3 on the 2002/2003 Traffic Signal Priority List.

SCHEDULING: Design and construction/installation will be completed FY 03/04.

STATUS:

BUDGET EFFECT: Annual operational and maintenance costs are estimated to be \$4,500.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF309	NEW CIP NO:	24543090	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Upgrade Traffic Signal at Fourth Avenue and Orange Avenue			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Southwest			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$5,000	\$0		\$5,000	\$0	\$0	\$0	\$0
4. Construction	\$85,000	\$0		\$85,000	\$0	\$0	\$0	\$0
TOTALS	\$90,000	\$0		\$90,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$90,000	\$0		\$90,000	\$0	\$0	\$0	\$0
TOTALS:	\$90,000	\$0		\$90,000	\$0	\$0	\$0	\$0

DESCRIPTION: Upgrade existing traffic signal to provide for a protective-permissive phasing for the eastbound and westbound approaches, and replace the existing protective-permissive to a protected phasing for the northbound and southbound directions. Included in this project is the purchase of "Accident Record System" software licenses for the City's Traffic Engineering.

JUSTIFICATION: This upgrade will allow motorists to safely merge into the intersection especially during the protective phase. The proposed improvements will enhance motorists' safety and will reduce vehicular collisions at this intersection. Accident Record System software will be acquired to assist in conducting traffic studies for this intersection as well as other intersections with similar traffic safety issues. The Accident Record System will also decrease the time and repetitive traffic accident data inputting by City staff, thereby allowing staff to utilize the time savings to perform additional assignments.

SCHEDULING: Design and construction/installation will be completed in FY 03/04.

STATUS: A \$54,000 HES grant has been applied for and approved, when received it will be deposited into the Traffic Signal Fund and used for traffic signal upgrades.

BUDGET EFFECT: Minimal.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF310	NEW CIP NO:	24543100	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Emergency Vehicle Pre-Emption			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$16,000	\$0		\$8,000	\$8,000	\$0	\$0	\$0
4. Construction	\$384,000	\$0		\$192,000	\$192,000	\$0	\$0	\$0
TOTALS	\$400,000	\$0		\$200,000	\$200,000	\$0	\$0	\$0

FINANCING SOURCES:								
CMAQ	\$100,000	\$0		\$100,000	\$0	\$0	\$0	\$0
SIGNAL	\$300,000	\$0		\$100,000	\$200,000	\$0	\$0	\$0
TOTALS:	\$400,000	\$0		\$200,000	\$200,000	\$0	\$0	\$0

DESCRIPTION: PHASE I - Install Emergency Pre-Emption (EVPE) detectors, sensors, modules, and other equipment required along Hilltop Drive at L Street and Orange Avenue.

PHASE II - Install Emergency Pre-Emption (EVPE) detectors, sensors, modules, and other equipment required at Hilltop Drive/I Street and at Telegraph Canyon Road and Paseo Del Rey.

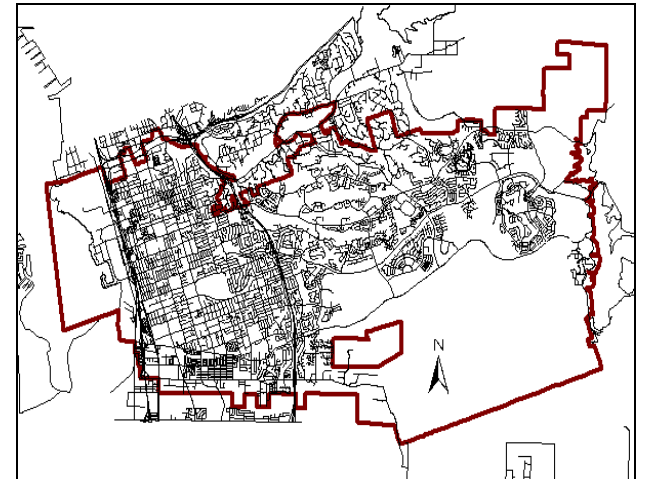
JUSTIFICATION: Installation of EVPE system will allow emergency vehicles; fire, police, and ambulance to move safely through intersection and improve response time. This project will install EVPE equipment at two intersections out of 16 on the priority list. A list of EVPE installations at various intersections requested by Chula Vista Fire Department of which locations were based on proximity to a station, common routes of travel by emergency vehicles, high traffic areas, and input from emergency vehicle drivers.

SCHEDULING: Design, construction, and installation at 16 intersections will be scheduled in two phases in 2003/2004 and 2004/2005.

STATUS:

BUDGET EFFECT: Not Applicable

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF311	NEW CIP NO:	24543110	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Intersection improvements at 1st and H Streets and 2nd and H Streets			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Central Chula Vista			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$10,000	\$0		\$10,000	\$0	\$0	\$0	\$0
4. Construction	\$190,000	\$0		\$190,000	\$0	\$0	\$0	\$0
TOTALS	\$200,000	\$0		\$200,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
GASTAX	\$20,000	\$0		\$20,000	\$0	\$0	\$0	\$0
SIGNAL	\$180,000	\$0		\$180,000	\$0	\$0	\$0	\$0
TOTALS:	\$200,000	\$0		\$200,000	\$0	\$0	\$0	\$0

DESCRIPTION: Upgrade Traffic Signals at:
 1) First Avenue and H Street
 2) Second Avenue and H Street

The work will provide for protective/permissive phasing to existing 2-phase signal operations.

JUSTIFICATION: The subject intersections have high rates of traffic incidents due to lack of exclusive left turn phasing. The upgrades will allow motorists to safely maneuver left turns into the intersections during the protective phase, thereby enhancing traffic safety, reducing broadside accidents, improving delays and enhancing air quality.

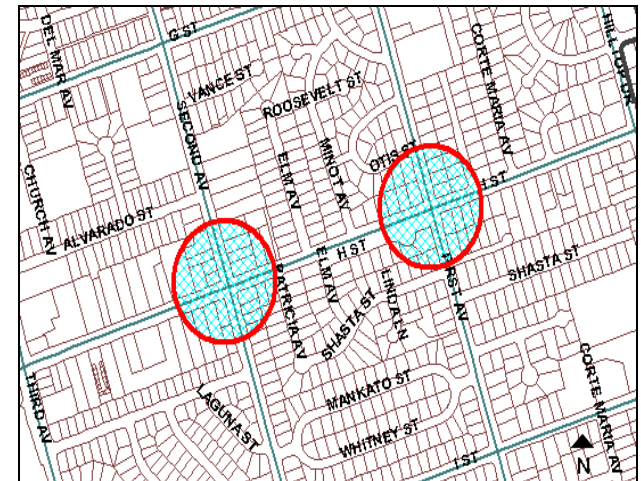
SCHEDULING: Design and construction/installation will be completed in FY 04/05.

STATUS:

BUDGET EFFECT: Additional annual operational and maintenance costs are estimated to be \$1,000.00 for both intersections.

NOTE: Staff submitted a grant request for Cal Trans under the Hazard Elimination Safety (HES) Program. Approval for such grant funding is pending.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF312	NEW CIP NO:	24543120	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Transportation Planning Program			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	David Kaplan

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$100,000	\$0		\$100,000	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$100,000	\$0		\$100,000	\$0	\$0	\$0	\$0
4. Construction	\$0	\$0		\$0	\$0	\$0	\$0	\$0
TOTALS	\$200,000	\$0		\$200,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
DIFTRANS	\$200,000	\$0		\$200,000	\$0	\$0	\$0	\$0
TOTALS:	\$200,000	\$0		\$200,000	\$0	\$0	\$0	\$0

DESCRIPTION: This project will provide for transportation planning studies associated with the GMOC's critical circulation system including Traffic Monitoring Program studies, transportation forecasting and intersection analysis. The intent of this project is to insure compliance with GMOC threshold standards.

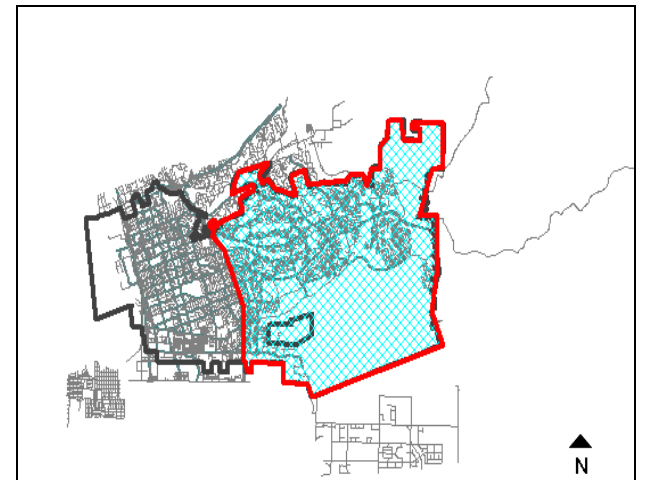
JUSTIFICATION: All studies will be performed in order to understand and identify developer's cumulative traffic impacts and to recommend mitigation measures consistent with the GMOC goals.

SCHEDULING: Engineering Services will be completed in FY 03/04.

STATUS:

BUDGET EFFECT: Not applicable.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF313	NEW CIP NO:	24543130	INITIALLY SCHEDULED:	7/1/2003
TITLE:	SCATS - Adaptive Traffic Signal System Extension - Phase III			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Eastern			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$50,000	\$0		\$50,000	\$0	\$0	\$0	\$0
4. Construction	\$750,000	\$0		\$750,000	\$0	\$0	\$0	\$0
TOTALS	\$800,000	\$0		\$800,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
DIFTRANS	\$800,000	\$0		\$800,000	\$0	\$0	\$0	\$0
TOTALS:	\$800,000	\$0		\$800,000	\$0	\$0	\$0	\$0

DESCRIPTION: This project will provide for the expansion of SCATS system along East H Street from Paseo Ranchero to the I-805 Interchange and along Telegraph Canyon Road going west all the way to I-805.

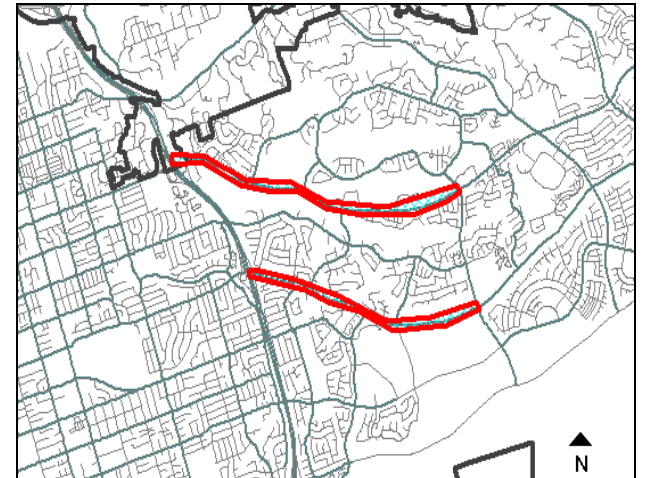
JUSTIFICATION: The proposed project will upgrade the existing traffic signal system at this segment of the roadway to a real-time traffic demand responsive system, thereby improving travel time for motorists, level of service, and air quality.

SCHEDULING: Design and construction/installation will be completed in FY 03/04.

STATUS: This is Phase III of the SCATS system project in the City of Chula Vista. Phases I and II were federally funded under CML 5203 (008) and work was completed on February of 2003. Staff will pursue CMAQ grant funding for Phase III in 2003. The project will not commence prior to approval of the grant.

BUDGET EFFECT: Minimal.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF314	NEW CIP NO:	24543140	INITIALLY SCHEDULED:	7/1/2004
TITLE:	Traffic Signal Installation at East Palomar St and Medical Center Ct.			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Eastern			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$15,000	\$0		\$15,000	\$0	\$0	\$0	\$0
4. Construction	\$155,000	\$0		\$155,000	\$0	\$0	\$0	\$0
TOTALS	\$170,000	\$0		\$170,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$170,000	\$0		\$170,000	\$0	\$0	\$0	\$0
TOTALS:	\$170,000	\$0		\$170,000	\$0	\$0	\$0	\$0

DESCRIPTION: Installation of a fully actuated traffic signal system.

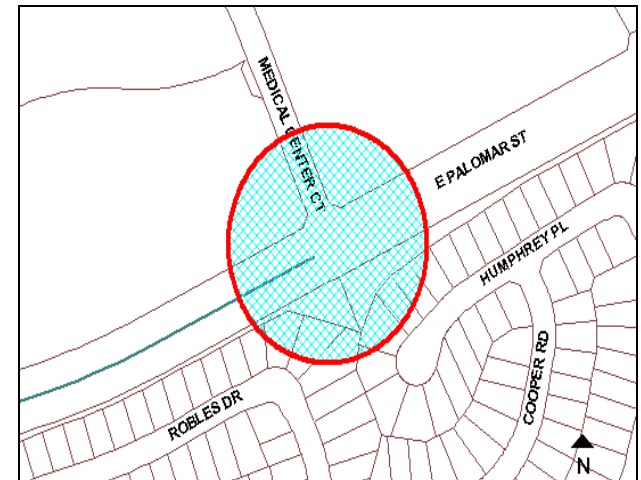
JUSTIFICATION: Intersection is at close proximity to a mall. This intersection is ranked No. 9 on the 2002 Traffic Signal Priority List.

SCHEDULING: Design and construction/installation will be completed in FY 03/04.

STATUS:

BUDGET EFFECT: Annual operational and maintenance costs are estimated to be \$4,500.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF315	NEW CIP NO:	24543150	INITIALLY SCHEDULED:	7/1/2004
TITLE:	Traffic Signal Installation at Fifth Avenue and Moss Street			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Central Chula Vista			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$15,000	\$0		\$15,000	\$0	\$0	\$0	\$0
4. Construction	\$145,000	\$0		\$145,000	\$0	\$0	\$0	\$0
TOTALS	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0
TOTALS:	\$160,000	\$0		\$160,000	\$0	\$0	\$0	\$0

DESCRIPTION: Installation of a fully actuated traffic signal system.

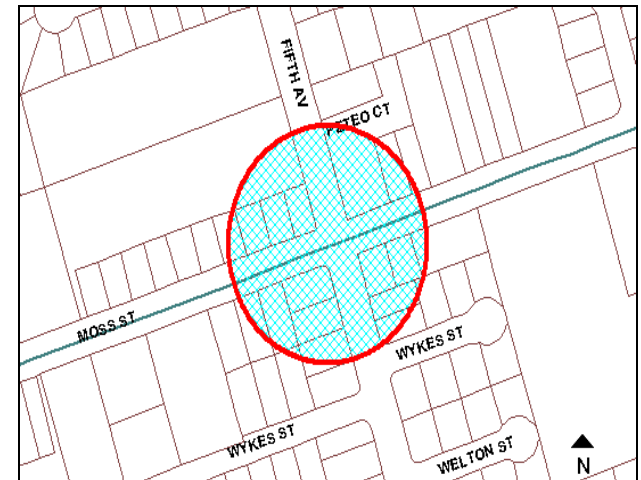
JUSTIFICATION: Intersection is at close proximity to the Sweetwater Union High School District Administration building. The intersection is ranked No. 2 on the 2002/2003 Traffic Signal Priority List.

SCHEDULING: Design and construction/installation will be completed in FY 03/04.

STATUS:

BUDGET EFFECT: Annual operational and maintenance costs are estimated to be \$4,500.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF316	NEW CIP NO:	24553160	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Traffic Signal Installation at Second Avenue and Quintard Street			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Central Chula Vista			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$15,000	\$0		\$0	\$15,000	\$0	\$0	\$0
4. Construction	\$135,000	\$0		\$0	\$135,000	\$0	\$0	\$0
TOTALS	\$150,000	\$0		\$0	\$150,000	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$150,000	\$0		\$0	\$150,000	\$0	\$0	\$0
TOTALS:	\$150,000	\$0		\$0	\$150,000	\$0	\$0	\$0

DESCRIPTION: Installation of a fully actuated traffic signal system.

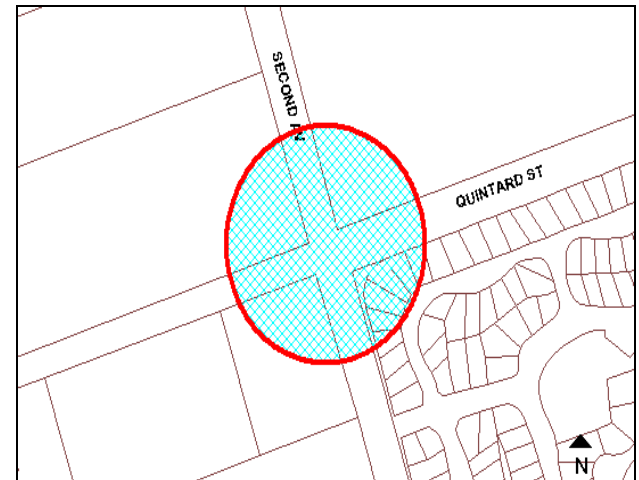
JUSTIFICATION: Intersection is at close proximity to Castle Park Middle School. The intersection is ranked No. 4 on the 2002/2003 Traffic Signal Priority List and this intersection has met the warrants for traffic signal school crossing.

SCHEDULING: Design and construction/installation will be completed in FY 04/05.

STATUS:

BUDGET EFFECT: Annual operational and maintenance costs are estimated to be \$4,500.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF317	NEW CIP NO:	24553170	INITIALLY SCHEDULED:	7/1/2004
TITLE:	Intersection Improvements for Bonita Road & Allen School Lane and Fifth & L Street			DEPARTMENT:	Traffic Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$15,000	\$0		\$0	\$15,000	\$0	\$0	\$0
4. Construction	\$133,000	\$0		\$0	\$133,000	\$0	\$0	\$0
TOTALS	\$148,000	\$0		\$0	\$148,000	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$148,000	\$0		\$0	\$148,000	\$0	\$0	\$0
TOTALS:	\$148,000	\$0		\$0	\$148,000	\$0	\$0	\$0

DESCRIPTION: Traffic Signal Modifications at two locations:
1) Bonita Road and Allen School Lane
2) Fifth and L Street

The work involves the installation of protected permissive left turn phasing at both signals.

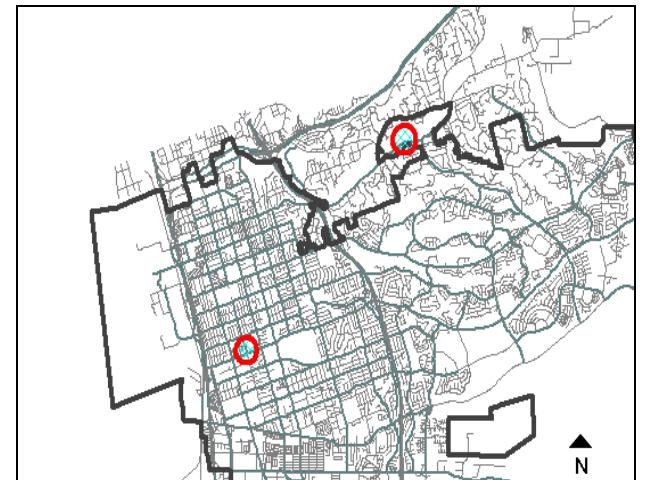
JUSTIFICATION: The assigned left turn phasing will allow for the safe left turn movements into the intersections. The vehicular queue in the left turn lane will be shorter, thereby reducing delays and enhancing air quality.

SCHEDULING: Design and construction/installation will be completed in FY 04/05.

STATUS:

BUDGET EFFECT: Annual operational and maintenance costs are estimated to be \$1,000.00 for both intersections.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF318	NEW CIP NO:	24553180	INITIALLY SCHEDULED:	7/1/2004
TITLE:	Traffic Signal Installation at Fifth Avenue and Naples Street			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Central Chula Vista			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$15,000	\$0		\$0	\$15,000	\$0	\$0	\$0
4. Construction	\$155,000	\$0		\$0	\$155,000	\$0	\$0	\$0
TOTALS	\$170,000	\$0		\$0	\$170,000	\$0	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$170,000	\$0		\$0	\$170,000	\$0	\$0	\$0
TOTALS:	\$170,000	\$0		\$0	\$170,000	\$0	\$0	\$0

DESCRIPTION: Installation of a fully actuated traffic signal system.

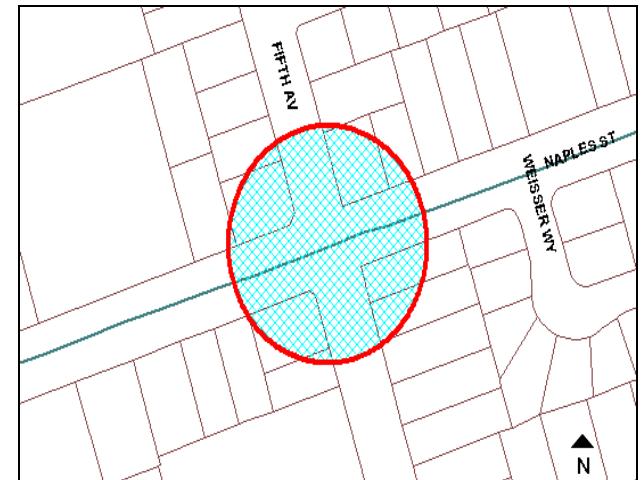
JUSTIFICATION: Intersection is at close proximity to Palomar High School. The intersection is ranked No. 8 on the 2002 Traffic Signal Priority List.

SCHEDULING: Design and construction/installation will be completed in FY 04/05.

STATUS:

BUDGET EFFECT: Annual operational and maintenance costs are estimated to be \$4,500.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF319	NEW CIP NO:	24563190	INITIALLY SCHEDULED:	7/1/2004
TITLE:	Traffic Signal Modification at Anita Street and Industrial Blvd.			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Western City			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$4,000	\$0		\$0	\$0	\$4,000	\$0	\$0
4. Construction	\$37,000	\$0		\$0	\$0	\$37,000	\$0	\$0
TOTALS	\$41,000	\$0		\$0	\$0	\$41,000	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$41,000	\$0		\$0	\$0	\$41,000	\$0	\$0
TOTALS:	\$41,000	\$0		\$0	\$0	\$41,000	\$0	\$0

DESCRIPTION: Modify traffic signal at Anita Street and Industrial Boulevard. The work includes, removal and relocation of existing 1A standards installation of traffic signal LED indications, pedestrian push buttons, new signs, mast arms, and guardrail.

JUSTIFICATION: This project will reduce and/or eliminate knockdowns of traffic signal standards due to the limited maneuverability of large vehicles, thereby improving the safe movement of vehicles at this intersection and reducing accidents. This project will further save the City from costly replacement of traffic signal standards and other equipment damaged as a result of these knockdowns.

SCHEDULING: Design and construction/installation will be completed in FY 05/06.

STATUS:

BUDGET EFFECT: Minimal

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF320	NEW CIP NO:	24563200	INITIALLY SCHEDULED:	7/1/2004
TITLE:	Traffic Signal Installation at Greensgate Drive and Greensview Drive			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Eastern			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$13,000	\$0		\$0	\$0	\$13,000	\$0	\$0
4. Construction	\$117,000	\$0		\$0	\$0	\$117,000	\$0	\$0
TOTALS	\$130,000	\$0		\$0	\$0	\$130,000	\$0	\$0

FINANCING SOURCES:								
SIGNAL	\$130,000	\$0		\$0	\$0	\$130,000	\$0	\$0
TOTALS:	\$130,000	\$0		\$0	\$0	\$130,000	\$0	\$0

DESCRIPTION: Installation of a fully actuated traffic signal system.

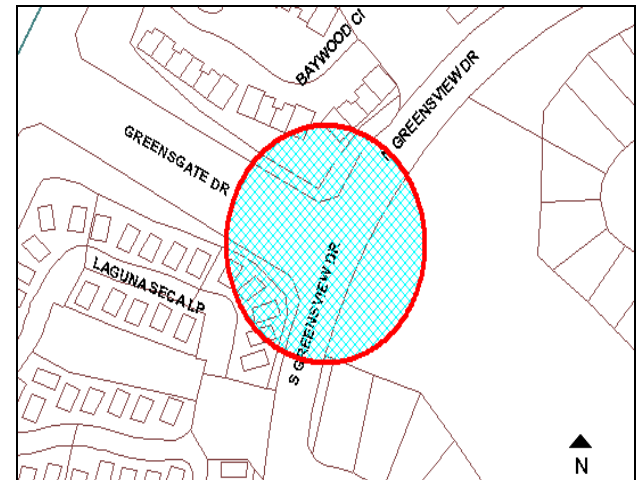
JUSTIFICATION: Intersection is within close proximity to the EastLake Golf Course, Olympic View Elementary School, EastLake High School, a park and a shopping center. This intersection is ranked No. 13 on the Traffic Signal Priority List.

SCHEDULING: Design and construction/installation will be completed in FY 05/06.

STATUS:

BUDGET EFFECT: Annual operational and maintenance costs are estimated to be \$4,500.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	TF999	NEW CIP NO:	24559990	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Street Light Installation at Various Locations			DEPARTMENT:	Engineering / Traffic
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Majed Al-Ghafry

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$165,000	\$0		\$0	\$0	\$50,000	\$55,000	\$60,000
4. Construction	\$515,000	\$0		\$0	\$50,000	\$150,000	\$155,000	\$160,000
TOTALS	\$680,000	\$0		\$0	\$50,000	\$200,000	\$210,000	\$220,000

FINANCING SOURCES:								
RCT	\$680,000	\$0		\$0	\$50,000	\$200,000	\$210,000	\$220,000
TOTALS:	\$680,000	\$0		\$0	\$50,000	\$200,000	\$210,000	\$220,000

DESCRIPTION: Street light installation in conjunction with SDG&E undergrounding of their overhead utilities. Establish a uniform street lighting pattern along four segments by adding concrete standard street lights and relocating additional street lights. All street lights shall be 250 Watt HPSV. The following segments are:

1. J Street between Broadway and Hilltop Drive
2. J Street between Hilltop and Lori Lane
3. L Street between Broadway and Third Avenue
4. L Street between Monserate Avenue and Nacion Avenue.

JUSTIFICATION: In conjunction with SDG&E undergrounding of overhead utilities, the City is adding ten street lights at midblock to meet City lighting standards.

SCHEDULING: Design and construction/installation will be completed as undergrounding districts proceed.

STATUS:

BUDGET EFFECT: Additional energy and maintenance costs will be required.

VICINITY MAP:

